

PAT-NO: JP411335955A
DOCUMENT-IDENTIFIER: JP 11335955 A
TITLE: NONWOVEN FABRIC

PUBN-DATE: December 7, 1999

INVENTOR-INFORMATION:

| NAME | COUNTRY |
|----------------------|---------|
| YAKAKE, YOSHIKAZU | N/A |
| HORIGUCHI, YASUYOSHI | N/A |

INT-CL (IPC): D04H001/42 , D04H003/16

ABSTRACT:

PROBLEM TO BE SOLVED: To obtain a nonwoven fabric excellent in strength, flexibility, stretchability, formability and air permeability by binding mutual constituent continuous filaments of a polyester-based spunbonded nonwoven fabric with an elastomer-based binder resin and its fibrils.

SOLUTION: This nonwoven fabric is obtained by forming a web of endless filaments from eccentric core-sheath type or bimetal type polyester-based conjugated fibers comprising two components of polyethylene terephthalate as a high-melting component and an isophthalic acid copolyester as a low-melting component having at least $\geq 20^{\circ}\text{C}$ difference in melting point and having latent crimpability according to a spunbonding method, then applying a binder comprising an elastomer resin such as a styrene-butadiene-based resin in an amount of 3-30 wt.% based on the fiber weight of the web, subsequently performing thermocompression bonding thereof with an embossing roll, or the like, and bonding mutual constituent fibers with the binder resin and its fibrils.

COPYRIGHT: (C) 1999, JPO